

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:

receiving an incoming telephone call at a private branch exchange, the telephone call directed to a telephone extension of the private branch exchange corresponding to a user;

determining a call routing preference associated with the extension; and routing the telephone call based on a computing device location and the call routing preference, wherein routing the telephone call includes:

routing the telephone call in an analog format to a telephone associated with the extension if the computing device associated with the user is in ~~a first~~
~~location~~ docking station, and

routing the telephone call in a digital format to the computing device computing device is not in the ~~first~~~~location~~ docking station.

2. (Original) The method of claim 1, further comprising storing the call routing preference at a call router.

3. (Original) The method of claim 2, wherein the call router stores a plurality of call routing preferences for a plurality of extensions of the private branch exchange.

4. (Original) The method of claim 2, further comprising setting a call routing preference through a web browser interface.

5. (Original) The method of claim 1, further comprising automatically setting the call routing preference to the second preference when the computing device associated with the extension is detached from a docking station.

6. (Original) The method of claim 1, wherein routing the telephone call to the computing device comprises:

encoding a voice signal of the telephone call into a digital format for transmission over a network;

determining a username associated with the extension;
determining a network address associated with the username, the network address assigned to the computing device; and

routing the telephone call to the network address.

7. (Original) The method of claim 6, wherein the computing device is connected to the network through a wireless connection.

8. (Original) The method of claim 6, wherein routing the telephone call to the computing device further comprises displaying an icon on a display of the computing device to indicate the incoming telephone call.

9. (Original) The method of claim 6, further comprising receiving the telephone call at the computing device.

10. (Original) The method of claim 6, wherein routing the telephone call to the computing device further comprises storing a voice mail message on the computing device if the incoming telephone call is not answered.

11. (Currently Amended) An article of manufacture comprising:
a machine-accessible medium including data that, when executed by a machine, cause the machine to perform operations comprising:

receiving an incoming telephone call at a private branch exchange, the telephone call directed to a telephone extension of the private branch exchange corresponding to a user;

determining a call routing preference associated with the extension; and
routing the telephone call based on a computing device location and the call routing preference, wherein routing the telephone call includes:

routing the telephone call in an analog format to a telephone associated with the extension if the computing device associated with the user is in a first location docking station, and

routing the telephone call in a digital format to the computing device
computing device is not in the first location docking station.

12. (Original) The article of manufacture of claim 11, wherein the machine-accessible medium further includes data that cause the machine to perform operations comprising storing the call routing preference at a call router.

13. (Original) The article of manufacture of claim 12, wherein the call router stores a plurality of call routing preferences for a plurality of extensions of the private branch exchange.

14. (Original) The article of manufacture of claim 12, wherein the machine-accessible medium further includes data that cause the machine to perform operations comprising setting a call routing preference through a web browser interface.

15. (Original) The article of manufacture of claim 11, wherein the machine-accessible medium further includes data that cause the machine to perform operations comprising automatically setting the call routing preference to the second preference when the computing device associated with the extension is detached from a docking station.

16. (Original) The article of manufacture of claim 11, wherein routing the telephone call to the computing device comprises:

encoding a voice signal of the telephone call into a digital format for transmission over a network;

determining a username associated with the extension;

determining a network address associated with the username, the network address assigned to the computing device; and

routing the telephone call to the network address.

17. (Original) The article of manufacture of claim 16, wherein the computing device is connected to the network through a wireless connection.

18. (Original) The article of manufacture of claim 16, wherein routing the telephone call to the computing device further comprises displaying an icon on a display of the computing device to indicate the incoming telephone call.

19. (Original) The article of manufacture of claim 16, wherein the machine-accessible medium further includes data that cause the machine to perform operations comprising receiving the telephone call at the computing device.

20. (Original) The article of manufacture of claim 16, wherein routing the telephone call to the computing device further comprises storing a voice mail message on the computing device if the incoming telephone call is not answered.

21. (Previously Presented) A system comprising:
 - a private branch exchange to receive an incoming telephone call directed to a telephone extension of the private branch exchange;
 - a computing device associated with the extension;
 - a call router to determine a call routing preference associated with the extension and a location of a computing device associated with a user, and to route the telephone call based on the call routing preference and the location of the computing device, wherein the call router routes the telephone call in an analog format to a telephone associated with the extension if the computing device is in a first location, and wherein the call router routes the telephone call in a digital format to the computing device when the computing device is not in the first location; and
 - a twisted-pair cable connected to the computing device.
22. (Original) The system of claim 21, further comprising the call router to store the call routing preference.
23. (Original) The system of claim 22, wherein the call router stores a plurality of call routing preferences for a plurality of extensions of the private branch exchange.
24. (Original) The system of claim 22, further comprising a web browser interface to set a call routing preference.

25. (Original) The system of claim 21, further comprising the call router to automatically set the call routing preference to the second preference when the computing device associated with the extension is detached from a docking station.

26. (Original) The system of claim 21, further comprising:
a gateway to encode a voice signal of the telephone call into a digital format for transmission over a network; and
a gatekeeper to determine a username associated with the extension, to determine a network address associated with the username, the network address assigned to the computing device, and to route the telephone call to the network address.

27. (Original) The system of claim 21, wherein the computing device is selected from the group consisting of a desktop computer, a laptop computer and a personal digital assistant.

28. (Original) The system of claim 26, further comprising an icon displayed on a display of the computing device to indicate the incoming telephone call.

29. (Original) The system of claim 26, further comprising the computing device to receive the telephone call.

30. (Original) The system of claim 29, further comprising a headset coupled to the computing device.